

August Meetings

Dates & Times:

Matinee, 2:30, Wednesday, August 10

Evenings, 8:00 p.m., Wednesday and Thursday, August 10 and 11

Place:

May Treat Morrison Auditorium

Speaker:

Messrs. John Clark and William Bryan

Subject:

"The World's Largest Fishes:
Whale Sharks and Basking Sharks"

The topic of **The World's Largest Fishes** is presented this month by a team of speakers, John Clark and William Bryan.

The whale shark, the largest fish in the world, is a solitary tropical plankton feeder which has been accurately measured at 40 feet. The star of this portion of the meeting is "Minnie", a 30-foot whale shark who made her home in a lagoon at Canton Island in the South Pacific. Vying for a close second as the world's largest fish is the cold water basking shark, also a plankton feeder, whose single-file swimming habits probably account for the ancient sea serpent tales. Both species are fascinating topics by themselves and the combination of the two promise to make the August meetings a very special one indeed.

John Clark is a cinematographer and owner of Sea Systems of Oakland. His film credits are extensive including, "Whale Shark" a recent ABC television special and "Winged Giants", a film on Humpback Whales. He is also the author of a comprehensive book, "Basic Underwater Photography", by Peterson Publishing.

William Bryan, an attorney in Salinas, California, has been a marine and nature photographer for the past 10 years and is well known for his films and works on sea otters. It was last summer while rowing in Carmel Bay that he spotted several large dorsal fins and in a period of a few

days he completed the filming adventure with roughly 200 basking sharks which he will share with us.

As usual, your membership card admits you through the Cowell Hall or Wattis Hall entrances, and you may be asked to present it once more at the auditorium door for the matinee presentation.

Special Exhibits

Query & Rubinow is a two month exhibition of the works of sculptor Joseph Query, and artist Wiveca Rubinow. Included in the display, in Hohfeld Gallery I, are animal and bird sculptures and drawings and abstract oils reflecting the natural world. Ends August 31.

New Directions in New Guinea Art continues in the Patricia Price Peterson Gallery and offers pieces from the private collection of Victor J. (Trader Vic) Bergeron.

Ancient Hawaii, in Hohfeld Gallery II, offers the largest collection of Hawaiiana on the west coast and tells the story of the ancient islanders before European contact.

Man In Space: Our New Environment gives us a glimpse of our future with models of space dwellings as well as photographs and informative text. In Lovell White Hall.

Living Arts

In August the living arts presentations will be offered on Saturdays with three very special evening programs. Read on . . .

Saturday, August 6 at 4:00 p.m.

A lecture/demonstration of Javanese Gamelan music and dance by professors at the Center for World Music of Berkeley. The Gamelan, an orchestra of gongs, is directed by K.P.T. Wasitodipuro. Nyoman and Nanik Wenten are the dancers.

Saturday, August 6 at 8:00 p.m.

A concert of Javanese Gamelan music and dance will be presented in the Mor-

ison Auditorium. Tickets are \$2.00 for CAS and ASEA members and \$3.00 for general public.

Saturday, August 13 at 4:00 p.m.

A lecture/demonstration of North Indian Vina music by Dr. Robert E. Brown, Director of the Center for World Music in Berkeley. The vina is a plucked zither-like instrument.

Saturday, August 13 at 8:00 p.m.

A concert of North Indian Vina music will be presented in the Morrison Auditorium by Z. M. Dagar. Tickets are \$2.00 for CAS and ASEA members and \$3.00 for general public.

Saturday, August 20 at 3:00 p.m.

Dance of the Great White Egret by Patricia Bulitt. Patricia studied the nesting behavior of the egret at Audubon Canyon Ranch and adapted her dancing to imitate nature. A photographic display depicting the creation of this dance will accompany the performance.

Saturday, August 27 at 4:00 p.m.

A lecture/demonstration of classical and modern Middle Eastern music and dance. Members of the group Jazayer will describe their instruments and aspects of Middle eastern music and dance. Vince Delgado on **darabukka** (ceramic drum), Devi-ja on viola, Mark Jaqua on **def** (tambourine), and Mimi Delgado, the dancer, on **saz** (small lute).

Saturday, August 27 at 8:00 p.m.

Concert of classical and modern Middle Eastern Music and dance featuring Jihad Racy on **nay** (flute), and Jazayer, introduced above. Tickets are \$2.00 for CAS members and \$3.00 for the general public.

All afternoon living arts performances can be seen in the Wattis Hall of Man. All ticketed evening performances will be presented in the Morrison Auditorium. Tickets can be purchased at the door.

Morrison Planetarium

The evening skies of the summer season have intrigued man for centuries. Seen in the sky were the images of beasts, heroes, warriors and kings. And moving through the heavenly scene were the falling stars, the wandering stars and the moon. Indeed, to ancient man, the sky was full of mysteries and wonder. Enjoy **Tales of the Summer Sky** at the Morrison Planetarium every day this summer at 12:30, 2:00 or 3:30. Evening shows are presented on Wednesday and Thursday at 7:30 p.m. and include a special "show and tell" feature about the inner workings of the planetarium. Use your membership passes for this very special sky show.

Laserium

The creative blend of music, color and motion make Laserium I and the all-new Laserium II memorable experiences for the entire family. See Laserium I on Sunday, Monday or Tuesday at 7:30, and on Friday or Saturday at 7:30 and 10:30. The new version of this cosmic laser light concert, Laserium II can be seen Friday through Tuesday at 5:00 and 9:00 p.m. There are no Laserium shows on Wednesday or Thursday. Advance tickets are available through all BASS outlets (835-3849) and also through Ticketron (788-2828). Remaining tickets go on sale at the planetarium box-office one-half hour before show time. Members are reminded that this is **not** a regular planetarium show, **nor** are your membership passes usable for this attraction.

The Fall-Winter **Activities Calendar** will be mailed during August and will list the many members' programs, field trips and courses to be offered. Watch for it!

The back cover of the September-October "Pacific Discovery" will list the members' trips planned for all corners of the globe in 1978.

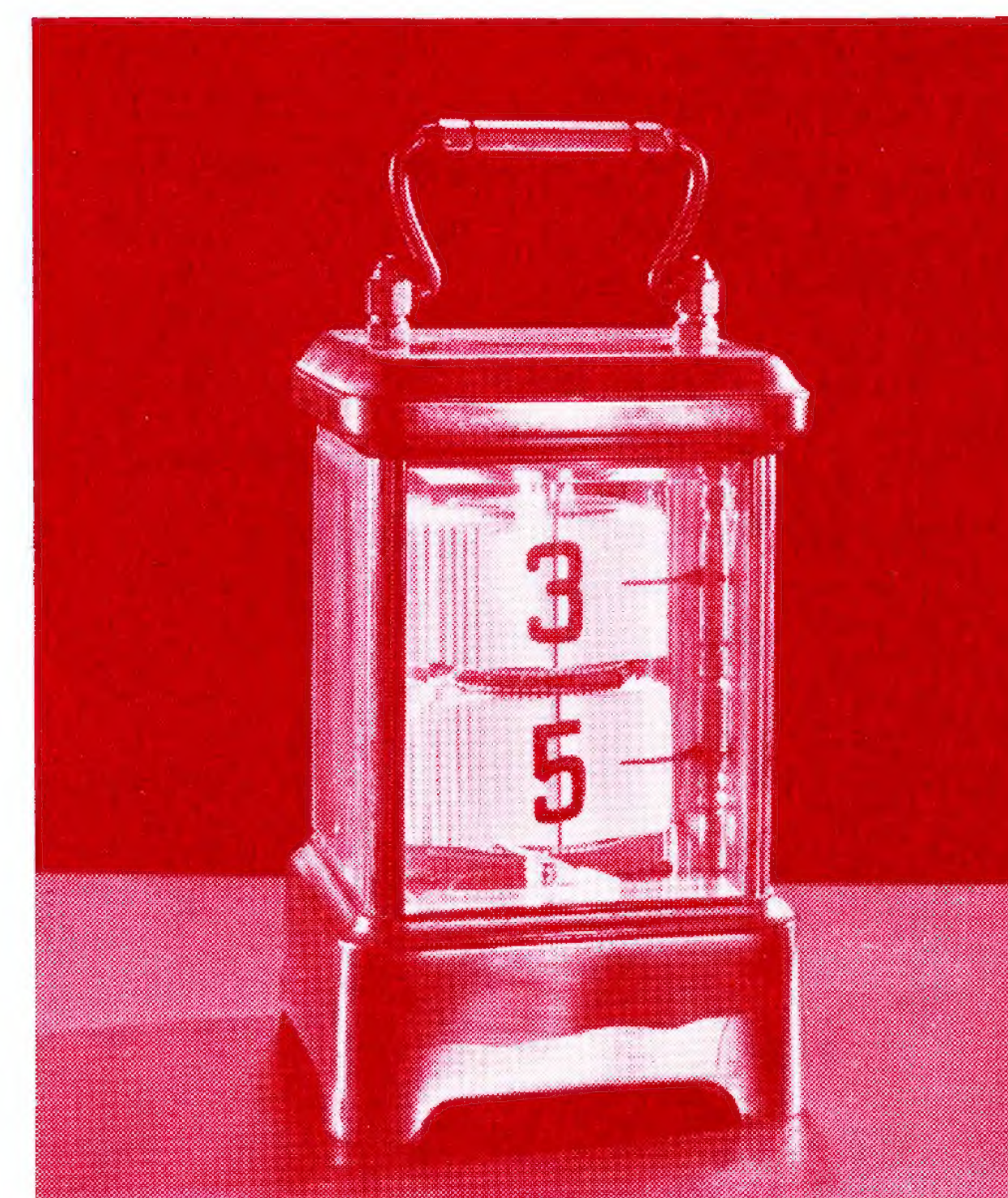
Inside the Academy



Fred Funk, the Academy's taxidermist, lent a willing and very able hand during the month of April this year to a neighboring museum very much in need. Answering a request from the Natural History Museum of Nicaragua, Fred packed his bag and was off to help rebuild the collections destroyed in Managua in the earthquake of 1972.

His arrival on a Friday night coincided with the beginning of Semana Santa, a holy week, but the local workers good-naturedly bowed to Fred's wishes and gave up their usual celebrations to start work immediately. The first step was to retrain the museum's young taxidermist and expand his methods of mounting specimens in more realistic poses. To replace some of the poorer examples of birds and other animals, Fred and his team spent three weekends in various parts of Nicaragua collecting specimens. While the young man practiced his art, Fred set to work to design and construct exhibit cases, a task made all the more difficult by the lack of materials and tools. Cases were made out of old closets, and interior mountings and pedestals were salvaged from scraps of wooden crates and broom handles. "With a little paint and careful placement, the effect was very stylistic and quite good looking," says Fred.

In just one month the museum, a house with eight rooms, had been refurbished and exhibits had been installed with displays of birds, fishes, reptiles and amphibians, seashells, insects and pre-Columbian artifacts. With concentrated efforts and teamwork the museum is now open for the enjoyment and enrichment of the citizens of Nicaragua, and hopefully some of the devastating effects of the earthquake may now be forgotten.



The fact that "It's a small world" was proven again when a citizen of Moscow visited our museum in 1975. His interest in clocks led him to the Stephens Horological Collection where to his amazement he discovered a timepiece identical to one he had in his home. The Plato Clock, pictured above, was patented by Eugene Fitch in New York in 1902 and 1903. Only four of these clocks were made and now two were accounted for; one at the Academy and one in the home of Mr. Michael Petrovich in Moscow. On his return to Russia, Mr. Petrovich discovered the third clock in the study room of the estate of Count Leo Nicolaevich Tolstoy, and now only one question remains . . . where is the fourth?

Education and Travel Notes



Last month we said goodbye to Mrs. Rachel Wortherly, the janitress who for over 30 years kept the residents of the Steinhart Aquarium behind sparkling clean tank windows. Think about this . . . if every visitor to the aquarium made one smudge on one window, Mrs. Wortherly would have taken care of over 40 million marks! We all thank you and wish you happiness in your retirement. May you never have to touch another pane of glass!

The Visible Universe:

August 4, 11, 18 and 25
7:30-9:30 p.m.

Join us as we view the constellations and planets of the various seasons as seen from San Francisco and other latitudes on Earth. During the course, taught by Michael Bennett, we will also learn how to use a star finder to identify the seasonal planets and stars. The yearly motions of the moon, tides, the sun and the planets will complete our view of the visible universe. \$15/individual, or \$25/family.

Klamath River Rafting:

August 28-31

The Klamath bounces through the forests and mountains of the coastal range in the northwest corner of our state. There are rapids varying from ripples to boomers, and the water is swimming warm. Participants can ride or paddle

and some may wish to challenge the river in inflatable kayaks. There will be one layover day on the river for activities of individual choice. The camp cooking is excellent (and done for you), and the stars make a perfect roof. Although this trip is now booked, we would welcome your name for the short waiting list if you are interested. The 4-day trip costs \$135/person, which includes rafting expenses and meals from lunch on Sunday the 28th through lunch Wednesday the 31st. Limited to those age 7 and up. Members only.

Lassen Volcanic National Park:

September 9-11

This holiday weekend will be spent in the fascinating geology of beautiful Lassen Park. A chartered bus will transport the group to Childs Meadows, a resort offering swimming, hiking and riding as optional activities. Charles Chesterman, our guide, will explain the mountains and cinder cones, steam vents and mud pots found in the park. \$75/person, \$10 single supplement, which includes transportation, lodging, and two picnic lunches. Limited, members only.

Pacific Northwest: Totems and Gold Fields

September 9 to 18

This 10 day excursion into the wilds (and not-so-wilds), of Canada is one of the outstanding trips offered by the Academy this year. First stop is Vancouver and Victoria for a visit to the Provincial Museum and Thunderbird Park. Then "up the island" to catch the **Queen of Prince Rupert** ferry for the overnight cruise up the Inside Passage to Prince Rupert. From here you will travel through more magnificent country to the land of the misty Skeena River and 'Ksan, the home of the three master carvers who designed and carved the Academy's totem pole last summer. Our friends in 'Ksan have arranged a traditional feast, with all the entertainment, and reliable sources say this is a highlight! (With the fall colors of the area beginning, photographers should bring plenty of film.) Next stop is Barkerville, gold rush boomtown of the 1860's,

restored to its former glory, and then back to Vancouver to take in the Aquarium, the Maritime Museum, Stanley Park and the fine Museum of Anthropology at U.B.C. The finale is an all-day excursion on the Royal Hudson steam locomotive along some of Canada's most spectacular coast and mountain scenery to Squamish. This truly remarkable trip, led by Diane Butler, is \$750, including all transportation, and is limited to 20. Reserve early through the Travel Office at the Academy.

Australia and New Zealand:

September 30 through November 3, 1977

This popular trip will be led for the third time by Dr. and Mrs. Robert T. Orr. Members will have an opportunity to see much of the unique fauna and flora, as well as spectacular scenery of these two countries. Cost per person on a twin basis is approximately \$3,620, including land and air travel. Single supplement. \$475. Limited to 30. Contact Gulliver's Travel, 3597 Sacramento Street, San Francisco, Ca. 94118. Telephone: (415) 346-4400 for details and reservations.

Baja California Camping Safari

October 8-16

Join a camping safari in Baja California this fall. Four-wheel drive vehicles will carry the group from San Diego to Bahia de los Angeles and back through some of the most unusual and lovely areas of Baja California. The geology is interesting and the flora is fascinating. We will have the opportunity to explore the islands of the bahia by small boat where the bird life is abundant and the snorkeling is good. All camping equipment is provided. The final night will be spent in Catavina, at the El Presidente Hotel. Call the Academy's Travel Office for further details at 221-4214, Ext. 211. Limited to 20 members. Cost is \$450.00 per person plus airfare between San Francisco and San Diego (approximately \$70). Deposit: \$100 per person.

New Members of the Academy

Regular Members

Mr. & Mrs. Ray Abinanti
Miss Ellery Akers
Mr. Peter Andrews
Mrs. J. Stuart Auchincloss
Mr. William A. Baldwin
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Mrs. Miriam Blau
Mrs. Lillian Blevins
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Miss Liz Brotherton
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Ms. Cindy Erwin
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Mr. Robert J. Farrow
Mr. Robert Bennett Fillman
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Mrs. O. B. Gardner
Mrs. Kathy Gerth
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Miss Elizabeth D. Girdish
Mr. Gary Wolff Goldstein
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Mr. James Grant
Mrs. Sarah Gross
Dr. Patricia Heldman
Ms. Paula R. Hacker
Stephen Warren Hagberg
Mr. Joseph M. Hardy
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Mrs. Melvin L. Hawley
Ms. Ellen Hayward
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Miss Teresa K. Henry
Gayle Howard
Samuel T. & Janice H. Huey
Mr. & Mrs. Alan Johnstone
Mr. Joel Keller
Miss Laura King
Miss Rosemary King
Miss Margaret Kreutzkamp

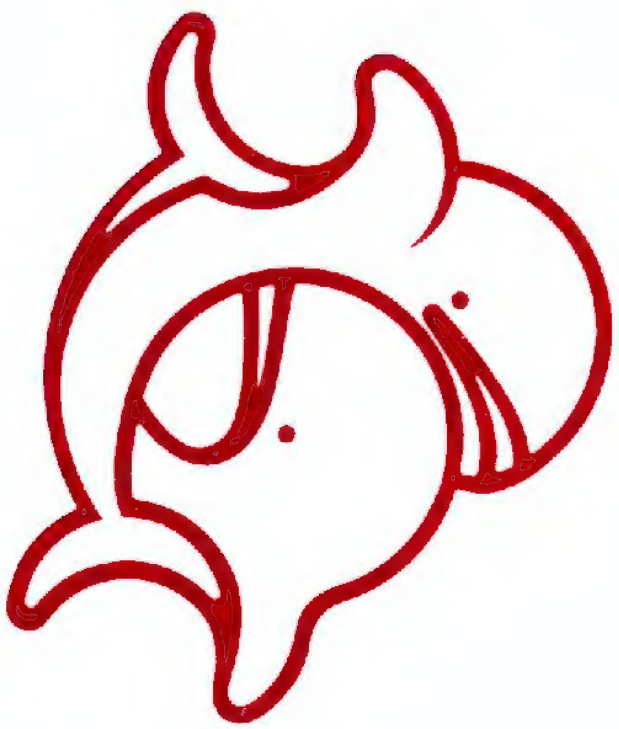
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Contributing Members

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Mrs. Carol Butler
Mr. & Mrs. Charles Eckberg
Mrs. Jacklyn Fleming
Mr. H. R. Hamilton
Mrs. D. Crane Hoyt
Miss Helen L. Irwin
Evelyn Knopp
Mr. Peter V. Taylor
Mr. & Mrs. Ding Chih Wu

Advance Notice of Monthly Meetings:
September 14 and 15 — David Cavagnaro
on "The Most Beautiful Things in the
World"

Open every day of the year
No. 452



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